March 24, 2005

P2 COMMITTEE ACTIVITIES AND TARGETS – Short Term (FY – 2005)

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
2.	Implement AP/EPP at PBS (Lallier / Kocher / Sekura)	One training session / up on Website	AP/EPP information to be added to Lallier's environmental training. L. Sekura to provide Info before April 6, 2005.
3.	Natural lawn care (Sekura)	Implement organic program	R. Kalynchuk and P. Kall have met and defined mowing-free areas.
4.	Garnet Recycling (Kocher)	Complete installation, optimize performance & implement	Installation complete. D. White/P2 Team need a final report from Yod.
5.	Garnet recycling tech transfer (Kocher)	Investigate business-wide applications	P. Kennedy will put a 15-minute video on the P2 website. Once the video is on the website, W. Kocher will contact Marshall to see if they are interested. Yod needs a new pass. Report to be presented at Ames meeting.
6.	Life Cycle Assessment (Kocher / Sekura)	Determine and implement 2 application-specific tools	L. Sekura finishing up lawn care, light bulb, flywheel, LCA analysis. Sekura has started road salt LCA. LCA chapter 15 update complete, distribute for comments.
7.	Develop a web-based P2/Recycling training module(Kenzig/Kocher/Sekura)	Make available	M. Kenzig and S. Jacobson are working on the second draft of training module which is nearly complete. GOLARN program may be used.
8.	AP/EPP web site (Kocher/Sekura)	Develop analytical tool	Utsav has competed first version of computer tool. Public version eventually to be on web.
9.	Create SAGE-like program to recommend P2 alternatives (Kocher)	Make search tool available on net for GRC	Funding for students needed.
10.	Market AP/EPP site NASA-wide (Kocher / Kenzig / Myers)	Implement AP/EPP on GoLearn.com or similar	Walt will work with CSU, other centers, and local environmental groups as a test and to spread awareness of the project. No response toproposal submitted to EPA Region V (Chicago). Response expected in April 2005. Kenzig to work with card holders.
11.	Determine strategic plan to include AP/EPP language in contracts (Kenzig / Myers)	Create clause language and incorporate into five contracts	Need Michelle's input. (Cafeteria SOW sustainability language should be used in cafeteria contract, partially fulfilling 1 of 5 contract targets.)
12.	Replace Stoddard Solvent as degreaser in Space Environment Chamber at PBS (Sekura / Lallier)	Replace with EPP degreaser	Project on hold. No news on tests

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13.	Study of low-strength mortar and flowable fill containing recycled material (Kocher)	Develop guidance document	Comments still needed. R. Palyo also needs the report to set up a meeting to discuss implementation.
14.	Install sustainable cooling towers at SPF (Lallier)	Conduct feasibility study	CoF project canceled. R. Lallier met CoF project team. Vortex and Dolphin(non-chemical system to be used.
15.	EPP Chapter (Kenzig / Kocher / Sekura)	Publish EPP chapter	W. Kocher to see that the EPP chapter is approved. Editing in progress.
17.	Add 5 products to AP/EPP list (Sekura)	5 EPP products posted on AP/EPP site	Working on light bulbs, paper, and several other product categories. Want to focus on AP-type (EPA/CPG-listed) products. Toilet paper added. Others to be added in late May.
18.	Water conservation for cooling tower maintenance (Sekura / White)	Use rental portable unit to save water during shutdown	L. Sekura to continue working with L. Shroeder and A. Hugo to determine FD response to work order. FD now reviewing options.
19.	Recycle Chapter (Kenzig)	Publish chapter	Draft to be distributed to Recycle Committee members. Due date for chapter: April 30, 2005
20.	AP Chapter (Kenzig)	Publish chapter	AP chapter being edited. Must be complete by April 30.
21.	CFL pilot program (Sekura)	Complete pilot program	Sale#1: 117 bulbs delivered. Sale #2 in progress.
22.	Replace precision wipes with 100% recycled-content paper towels	Employees order fewer wipes	Paper towels now listed in stock on web and educational piece also posted.

Completed Short Term

1.	Reduction of chemicals at PBS (Lallier / Muscolo)	All 4 major facilities: a.) Assessed for excessive chemicals b.) Chemicals disposed or recycled	Muscolo and Quintin assisted PBOSG in conducting the annual chemical inventory and bar-coding procedure. Report to come.
16.	Spark plug / energy efficiency (Sekura)	Complete study	Testing completed. Efficiency did not improve as much as anticipated.

March 24, 2005

P2 COMMITTEE ACTIVITIES AND TARGETS – Long Term (FY – 2005)

	ACTIVITIES	FY- 05 TARGET	LONG TERM GOAL
1.	Real Time Monitoring pilot study at GRC – Lewis Field (Kocher)	Secure funding for a prototype unit	Funding still needed. Project may begin moving forward in the last half of CY 2005.
2.	Replace large Iridite uses (Sekura)	Performance testing done	MIL spec includes chromate. This is a dead issue until GRC specs change or a new chemical developed. L. Sekura to contact KFC.
3.	Life Cycle Assessment (Kocher / Sekura)	Develop basic model	Develop combined qualitative / quantitative tool.
4.	Soil pile prairie – West & Cryogenic (Walker/Buttler/Sekura)	Plant prairie	Buttler (Pheasants Forever) seed at GRC. Roto tilling to take place in spring 2005. $10-12K needed to till 3-31/2 acres.
5.	Biodegradable cafeteria supplies (Sekura)	Implement pilot program	Education of users for napkins made of recycled material to begin soon. M. Betlejewski to order napkins. Outreach program on reduction of use of disposables. Advertised on Today @ Glenn.
6.	Cafeteria GRC-wide composting (Kennedy / Kocher)	Implement pilot program	P. Kennedy to take weekly photos of dumpster contents. (Cafeteria averages 8-12 bags of garbage now.) Building 315 storage area will also be monitored. Checking on large-scale composting procedures/ equipment. Considering options re: use of compost.
7.	New cafeteria set-up (Sekura)	Integrate sustainability concepts	Mark Betlejewski is on a team tasked with contracting out the cafeteria job. The SOW that went out for bid now includes pro-P2 language. Won't be implemented until May or June. Washables have replaced some disposables.
8.	Convert EMO and other GRC vehicles to CNG/other alt. (Strawser)	All new/replacement vehicles capable of using alternative fuel	In May 2004, 14 vehicles were replaced with E85 models. Others will be added each year. It took 16 months to use up the first 8500 gallon delivery of E85.
9.	Renewable energy at Lewis Field (Quach / F. Miller)	Produce some form of renewable energy at Lewis Field to feed back into grid, remove an area from grid, or use power for a project instead of grid.	Negotiations with power company in progress. Note that GRC gets a credit from work in a Building 5 test cell that puts power into the power grid
10.	Renewable energy at PBS (F. Miller / Quach)	Same as #9 – at PBS.	F. Miller is in contact with PBS personnel. As many as 12 towers may be installed.

March 24, 2005

P2 COMMITTEE ACTIVITIES AND TARGETS – Long Term (FY – 2005)

	ACTIVITIES	FY- 05 TARGET	LONG TERM GOAL
11.	Assist in providing wind power from Lake Erie (F. Miller)	Assist in GEO project by receiving data at NASA antenna – Target achieved when wind monitoring study completed.	Ice must break, first
12.	Initiate one NASA hydrogen power project (Sekura / Hoberecht / Prokopius)	Consensus is achieved by Hydrogen Power Working Group and funding is secured.	Proposal for NASA-wide hydrogen fueling stations, starting with GRC and KSC. Proposal sent to HQ. Sustainability funds now limited. $24K may come from HQ at end of FY 2005. Stennis may receive money from Southern Fuel State Coalition.
13.	Hydrogen power production at GRC (Sekura / Hoberecht / Prokopius)	Hydrogen is produced at GRC for a project, or a dispenser is working.	See above (#12).
14.	Hydrogen powered fleet (Sekura / Hoberecht / Prokopius)	GRC has at least one working hydrogen car	See above (#12).
15.	Sustainable cooling towers at GRC (Lallier / Myers)	Implement 1 tower – Eliminate disinfectant and/or minimize water use	Also, see short-term goals (#13). R. Lallier found another process to review. Write up to come.
16.	Laser paint removal in Hangar (Sekura)	Make case for laser equipment at GRC	KSC got $50,000 in funding for non-Shuttle applications. Telecon to discuss requirement begin in March.
17.	Environmental management certification courses (Kocher/White)	Offer one course	Course is now in progress. Announcement for next course to be sent out in near future.